

LISTING OF CLAIMS

1. (original) An emission treatment system for treatment of an exhaust stream comprising NO_x and particulate matter, the emission treatment system comprising:

- a) an oxidation catalyst;
- b) an injector in fluid communication with and downstream of the oxidation catalyst, wherein the injector periodically meters ammonia or an ammonia precursor into the exhaust stream; and
- c) a wall flow monolith in fluid communication with and downstream of the injector, wherein the wall flow monolith has a plurality of longitudinally extending passages formed by longitudinally extending walls bounding and defining said passages, wherein the passages comprise inlet passages having an open inlet end and a closed outlet end, and outlet passages having a closed inlet end and an open outlet end,

wherein the wall flow monolith comprises an SCR catalyst composition that permeates the walls at a concentration of at least 1.3 g/in³; wherein the wall flow monolith has a wall porosity of at least 50% with an average pore size of at least 5 microns.

2. (original) The emission treatment system of claim 1, wherein the SCR catalyst composition that permeates the walls of the wall flow monolith so that the walls have a wall porosity of from 50 to 75% with an average pore size of from 5 to 30 microns.

3. (original) The emission treatment system of claim 1, wherein the SCR catalyst composition comprises a zeolite and base metal component selected from one or more of a copper and iron component.

4. (original) The emission treatment system of claim 3, wherein the base metal component is a copper component.

5. (original) The emission treatment system of claim 4, wherein the zeolite of the SCR catalyst composition has a silica to alumina ratio of at least about 10.

6. (original) The emission treatment system of claim 5, wherein the zeolite of the SCR catalyst composition is a beta zeolite.

7. (original) The emission treatment system of claim 1, wherein there is from 1.6 to 2.4 g/in³ of SCR catalyst composition disposed on the wall flow monolith.

8. (original) The emission treatment system of claim 1, wherein the oxidation catalyst comprises a platinum group metal component.

9. (original) The emission treatment system of claim 8, wherein the oxidation catalyst further comprises a zeolite component.

10. (original) The emission treatment system of claim 1, further comprising a diesel engine upstream of, and in fluid communication with the oxidation catalyst.

11. (original) The emission treatment system of claim 1, wherein the oxidation catalyst is disposed on a honeycomb flow through monolith substrate or an open cell foam substrate.

12-24. (cancelled)

Respectfully submitted,

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